

Appl. No. 09/868,706
Amdt. Dated June 2, 2005
Reply to Office action of March 18, 2005
Attorney Docket No. P11037-US1
EUS/JJP/05-1147

REMARKS/ARGUMENTS

1.) Claim Amendments

The Applicant has amended claim 1; no new matter has been added. Claims 1-4 remain pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

2.) Claim Rejections-35 U.S.C. § 112

The Examiner rejected claims 1-4 as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicant regards as the invention. The Applicant has amended claim 1 to delete the indefinite phrase noted by the Examiner.

3.) Claim Rejections – 35 U.S.C. §102(b)

The Examiner rejected claims 1-4 as being anticipated by Moose (US 5,166,924). The Applicants traverse the rejections.

Anticipation requires that the disclosure of a single piece of prior art reveals every element, or limitation, of a claimed invention. Furthermore, the limitations that must be met by an anticipatory reference are those set forth in each statement of function in a claims limitations, and such a limitation cannot be met by an element in a reference that performs a different function, even though it may be part of a device embodying the same general overall concept. Moose fails to teach each limitation of the rejected claims and, therefore, the Applicant traverses the rejection of each of those claims as being anticipated.

Claim 1 recites:

1. Method of transmitting data by a multiple carrier method in a transmission channel in which the data are combined in a transmitter into a transmitter signal in the form of transmitter blocks with the same number M of Information symbols, are modulated and transmitted by an Inverse Fast Fourier Transform (IFFT) of the transformation length M and are demodulated in a receiver by the Fast Fourier Transform (FFT), wherein, on the transmitter side, one guard interval for equalization on the side of the receiver is inserted

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each between the transmitter blocks and transmitted together with them, said guard interval having a length (P) that is greater than or equal to the memory length of the transmission channel, wherein demodulation is carried out in the receiver by means of the Fast Fourier Transform (FFT) with a receiver transformation length L that is greater than or equal to the sum of the transformation length M and the length P of the guard interval, wherein the signal values of the transmitter signal contained in the guard interval have a signal amplitude of zero. (emphasis added)

The Examiner states that Moose discloses:

The transformation length on the transmitter side will be some value. Guard times are inserted in the transmission and received at the receiver []. The receiver will then receive the transmitted signal length and the added guard length (transmitted over the guard time). The signal values over the guard time have signal amplitudes of zero []. (emphasis added)

The Examiner, however, has not pointed to any teaching in Moose that a guard interval has a length (P) that is greater than or equal to the memory length of the transmission channel, or that demodulation is carried out in a receiver by means of a Fast Fourier Transform (FFT) with a receiver transformation length L that is greater than or equal to the sum of the transformation length M and the length P of the guard interval. Accordingly, the Examiner has failed to establish that claim 1 is anticipated by Moose. Whereas claims 2-4 are dependent from claim 1, and include the limitations thereof, those claims are also no anticipated by Moose.

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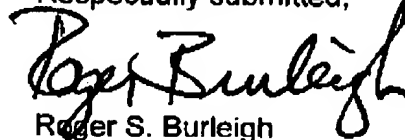
Appl. No. 09/868,706
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CONCLUSION

In view of the foregoing amendments and remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for claims 1-4.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



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